

**FAA-STD-490A
APPENDIX XV
SPECIFICATION CHANGE NOTICE
(SEE MIL-STD-490 FOR INSTRUCTIONS)**

1. ORIGINATOR NAME AND ADDRESS		2		DATE PREPARED		
Richard Simon AAP-310		<input type="checkbox"/> PROPOSED <input checked="" type="checkbox"/> APPROVED		3. CODE IDENT.		
				4. SPEC. NO. FAA-E-2711A		
7. SYSTEM DESIGNATION		8. RELATED ECP NO. N9868		5. CODE IDENT.		
11. CONFIGURATION ITEM NOMENCLATURE		9. CONTRACT NO.		6. SCN NO. 001		
				10. CONTRACTUAL ACTIVITY		
12. EFFECTIVITY		<p>THIS NOTICE INFORMS RECIPIENTS THAT THE SPECIFICATION IDENTIFIED BY THE NUMBER (AND REVISION LETTER) SHOWN IN BLOCK 4 HAS BEEN CHANGED. THE PAGES CHANGED BY THIS SCN BEING THOSE FURNISHED HERewith AND CARRYING THE SAME DATE AS THIS SCN. THE PAGES OF THE PAGE NUMBERS AND DATES LISTED BELOW IN THE SUMMARY OF CHANGED PAGES, COMBINED WITH NON-LISTED PAGES OF THE ORIGINAL ISSUE OF THE REVISION SHOWN IN BLOCK 4 CONSTITUTE THE CURRENT VERSION OF THIS SPECIFICATION.</p>				
13. SCN NO.	14. PAGES CHANGED (INDICATE DELETIONS)			• S	• A	
001	Attach Appendix XVIII to Specification FAA-E-2711A			DATE		
16. TECHNICAL CONCURRENCE					DATE	

APPENDIX XVIII

FDIO RCU Firmware Modification for ODAPS

Reference

The modification described herein is required by the NAS Configuration Control Decision CCD No. N9868 dated 7/23/87.

General

The Flight Data Input/Output (FDIO) system utilizes firmware drivers which determine the format and content of CRT display and flight strip printer output. This firmware is contained in the FDIO Remote Control Unit (RCU). The Oceanic Display and Planning System (ODAPS) requires FDIO display and printing formats that are not compatible with the existing firmware drivers.

FDIO RCU firmware generates CRT display format and prompts that are not appropriate to ODAPS, and the number of lines printed by the flight strip printer is incorrect for ODAPS functions. ODAPS requirements can not be met with existing FDIO RCU firmware. This section describes the necessary firmware changes for ODAPS. The existing RCU firmware remains unchanged in all present and future FDIO installations; only FDIO associated with an ODAPS installation shall have revised firmware.

Modification

The following changes are required to modify the RCU firmware:

- 1) Rewrite FDIO RCU firmware code to cause the flight strip printer to print 7-line, 1-1/3 " strips.
- 2) Change the strip eject parameter from infinity (variable parameter) to 15 seconds.
- 3) Preset prompts and area spacing on the CRT display in accordance with the diagram on the following page depicting the CRT layout. The first area is the Update area, the second area is the Response area, and the third area is the Preview area. The General Information (GI) area provided in the Remote Group displays is effectively removed by reducing its size to 0 lines.
- 4) In the current FDIO RCU firmware implementation, when the " UPDATE PENDING " message (formerly the " FLIGHT STRIP PENDING " message) is flashed on the CRT, the Message Waiting Light is also activated. If the controller does not acknowledge by pressing the ANK key within one minute of its activation, the message is sent to the backup flight strip printer. This one minute delay should be changed to three minutes.

FDIO CRT Revised Format for ODAPS

Display
Line Number

Message Areas

1
2
3
4
5
6
7
8
9
10
11
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13
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15
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17
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19
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21
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UPDATE PENDING

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